

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,900,581 B2  
APPLICATION NO. : 10/775181  
DATED : May 31, 2005  
INVENTOR(S) : Masafumi Kyogaku et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

TITLE PAGE ITEM [75] INVENTORS

“Masafumi Kyogaku, Kanagawa-ken (JP); Hironobu Mizuno, Kanagawa-ken (JP); Takeo Tsukamoto, Kanagawa-ken (JP); Hiroyuki Hashimoto, Kanagawa-ken (JP); Koki Nukanobu, Kanagawa-ken (JP)” should read --Masafumi Kyogaku, Sagamihara (JP); Hironobu Mizuno, Sagamihara (JP); Takeo Tsukamoto, Atsugi (JP); Hiroyuki Hashimoto, Yokohama (JP); Koki Nukanobu, Atsugi (JP)--.

TITLE PAGE ITEM [57] ABSTRACT

Line 2, “characteristic stable” should read --characteristics, stable--.

TITLE PAGE ITEM [56] OTHER PUBLICATIONS

Line 1, “Fukano, Y. et al.” should read --Fukano, Y., et al.--;  
Line 2, After “Fukano, Y. et al.” “fo rthe” should read --for the--; and  
Line 3, “vol. 32” should read --vol. 32 (1993)--;  
Pg. 2, line 1, “W.P. Dyke et al.” should read --W.P. Dyke, et al.--;  
Pg. 2, line 10, “M. Elinson, et al.” should read --M. Elinson, et al.--;  
Pg. 2, line 11, After “M. Elinson, et al.” “Fr m” should read --From--;  
Pg. 2, line 16, “C.A. Spindt et al.” should read --C.A. Spindt, et al.--;  
Pg. 2, line 17, After “C.A. Spindt et al.” “Cathod s” should read --Cathodes--;  
and  
Pg. 2 line 20, “M. Hartwell et al.” should read --M. Hartwell, et al.--;

COLUMN 1

Line 16, “use” should read --uses--;  
Line 27, “emission” should read --Emission--;  
Line 29, “PHYSICAL Properties of thin-film field emission cathodes” should read --Physical Properties of Thin-Film Field Emission Cathodes--.  
Line 30, “with molybdenum cones” should read --with Molybdenum Cones--;  
Line 34, “Tunnel-emission” should read --Tunnel-Emission--;  
Line 38, “Elinson, Recio Eng. Electron Phys.” should read --Elinson, “The Emission of Hot Elecrons and the Field Emissions of Electrons From Tin Oxide,” Radio Eng. and Electronic Phys.--;  
Line 45, “devices are” should read --devices, they are--;  
Line 47, “uses” should read --use--.  
Line 60, “an” should read --a--;  
Line 63, “conventionally general” should read --generally conventional--; and  
Line 65, “device by subjecting” should read --device, to subject--.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 2

Line 20, "under" should be deleted;  
Line 31, "to" should read --to the--;  
Line 33, "comprising" should read --comprised--;  
Line 34, "is" should read --to be--;  
Line 39, "of" (first occurrence) should read --of a--; and  
Line 45, "electrodes. (FIG. 19B)" should read --electrodes (FIG. 19B).--.

COLUMN 3

Line 2, "a carbon" should read --carbon--.

COLUMN 5

Line 54, "comprising" should read --comprised-- and "is" should read --are--.

COLUMN 6

Line 3, "comprising" should read --comprised--;  
Line 25, "efficiency" should read --efficiency, which--; and  
Line 33, "comprising" should read --comprised--.

COLUMN 9

Line 3, "hight" should read --height--.

COLUMN 12

Line 10, "formed" should read --formed,--;  
Line 12, "electron" should read --electrons--;  
Line 14, "structure, the" should read --structure. The--;  
Line 23, "each" should read --reach--; and  
Line 51, "in phases" (first occurrence) should be deleted.

COLUMN 13

Line 44, "voltage" should read --voltages--.

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COLUMN 14

Line 67, "for" should read --for an--.

COLUMN 16

Line 22, "5) It" should read --It--; and  
Line 42, "for to" should read --to--.

COLUMN 17

Line 35, "on" should be deleted.

COLUMN 18

Line 9, "dependently" should read --dependent--;  
Line 18, "exhibits" should read --exhibit--;  
Line 64, "dependently" should read --dependent--; and  
Line 66, "device" should read --devices--.

COLUMN 19

Line 3, "device" should read --devices--;  
Line 11, "consists" should read --consist--;  
Line 17, "consists" should read --consist--; and  
Line 28, "direction, and" should read --direction. A--.

COLUMN 20

Line 30, "to" (second occurrence) should read --at--;  
Line 46, "material 141" should read --material, 141--; and  
Line 48, "substance" should read --substance--.

COLUMN 23

Line 9, "member performs" should read --members perform--.

COLUMN 24

Line 43, "circular" should read --circularly--.

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COLUMN 26

Line 38, "relates" should read --relate--.

COLUMN 29

Line 62, "basical" should read --the basic--.

COLUMN 30

Line 38, "on en" should read --on an--.

COLUMN 31

Line 62, "1000 wires" should read --One thousand wires 123--; and  
Line 63, "123" should be deleted.

COLUMN 33

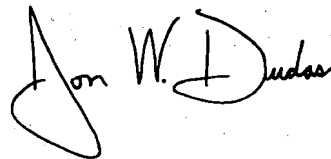
Line 2, "restrain" should read --restrains--.

COLUMN 34

Line 12, "claim 9," should read --claim 9;--; and  
Line 40, "printer" should read --a printer--.

Signed and Sealed this

Third Day of July, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*